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1 Routine/Function Prologues

1.0.1 noah_coldstart.F90 (Source File: noah_coldstart.F90)

Routine for noah initialization from cold start

INTERFACE:

```
subroutine noah_coldstart()
```

USES:

```
use lisdrv_module, only: lis
use noah_varder
use time_module
use spmdMod, only: iam
```

CONTENTS:

```
if ( lis%o%startcode == 2 ) then
  print*, 'MSG: noah_coldstart -- cold-starting noah', &
    '...using ics from card file', ' (', iam, ')'

  print*, 'DBG: noah_coldstart -- nch', lis%d%nch, &
    ' (', iam, ')'
  do t=1, lis%d%nch
    noah(t)%t1=noahdrv%noah_it
    noah(t)%t1=280.0
    noah(t)%cmc=0.0004
    noah(t)%snowh=0.0
    noah(t)%sneqv=0.0
    noah(t)%ch=0.0150022404
    noah(t)%cm=0.0205970779
    do l=1, 4
      noah(t)%stc(l)=noahdrv%noah_it
    enddo
    noah(t)%smc(1)=0.3252287
    noah(t)%smc(2)=0.3194746
    noah(t)%smc(3)=0.3172167
    noah(t)%smc(4)=0.3078052
    noah(t)%sh2o(1)=0.1660042
    noah(t)%sh2o(2)=0.2828006
    noah(t)%sh2o(3)=0.3172163
    noah(t)%sh2o(4)=0.3078025
  enddo
  lis%t%yr=lis%t%syr
  lis%t%mo=lis%t%smo
  lis%t%da=lis%t%sda
  lis%t%hr=lis%t%shr
  lis%t%mn=lis%t%smn
  lis%t%ss=lis%t%sss
```

```
call date2time(lis%%time,lis%%doy,lis%%gmt,lis%%yr,&
               lis%%mo,lis%%da,lis%%hr,lis%%mn,lis%%ss)
write(*,*)'MSG: noah_coldstart -- Using lis.crd start time ',&
         lis%%time, ' (', iam, ')'
write(79,*)'MSG: noah_coldstart -- Using lis.crd start time ',&
         lis%%time, ' (', iam, ')'
endif
```